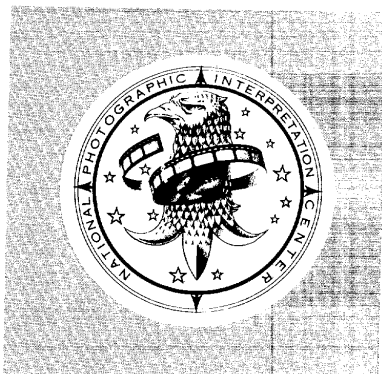


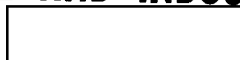
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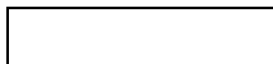
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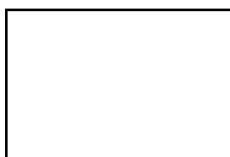
**DODONOVO ATOMIC ENERGY COMPLEX -  
RESIDENTIAL AND INDUSTRIAL AREA**



**ATOMIC ENERGY FACILITIES  
USSR**



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INSTALLATION OR ACTIVITY NAME		COUNTRY
Dodonovo Atomic Energy Complex		UR
UTM COORDINATES	GEOGRAPHIC COORDINATES	
NA	56-19-59N 093-36-44E	
MAP REFERENCE		

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LATEST IMAGERY USED	NEGATION DATE (if required)
	NA

## ABSTRACT

1. This report describes the residential and industrial area of the Dodonovo Atomic Energy Complex. It updates a report published in [redacted] which compiled an inventory of buildings, facilities, and physical features of the entire complex.

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2. This report provides additional photographic identifications of subdivisions and facilities within the residential and industrial area of the complex and a detailed description of two unidentified industry sections. Mensural and chronological data are presented in both tabular and graphic form.

## INTRODUCTION

3. The residential and industrial area (Figures 1 and 2) of the Dodonovo Atomic Energy Complex<sup>1</sup> is located approximately 18 nautical miles (nm) north-east of Krasnoyarsk, USSR. The area facilities are constructed on alluvial lowlands between the floodplain and the hilly uplands on the eastern side of the Yenisey river and extend approximately 8.5 nm southwest-northeast in an irregular corridor approximately 1 nm wide. Rail, road, and air transport are part of the transport system of the city of Krasnoyarsk, and electric power is obtained from the Krasnoyarsk electric grid system. Limited port facilities are located on the Yenisey river at the southwest end of the area.

4. Significant related installations located in the vicinity of the Dodonovo Atomic Energy Complex are the [redacted] and Storage Krasnoyarsk [redacted] located within the complex, the Krasnoyarsk Rocket Engine Test Facility [redacted] located approximately 4 nm east of the southwest security gate of the complex, [redacted] east of the complex. The nearest airfield is Krasnoyarsk Airfield [redacted], approximately 25 nm to the southeast.

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## BASIC DESCRIPTION

5. The basic development pattern for the residential and industrial area was first observed in [redacted]. Additional construction and growth were noted in [redacted]. Overall expansion has continued in the area, with the major growth in the construction of additional housing. The general construction and expansion chronology of the complex, including the residential and industrial area, during the period [redacted] is shown on Figure 3.

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6. The completion of the dam and reservoir between [redacted] and [redacted] separated the residential and industrial area into two general subareas. An unidentified industry is located within the northern subdivision.

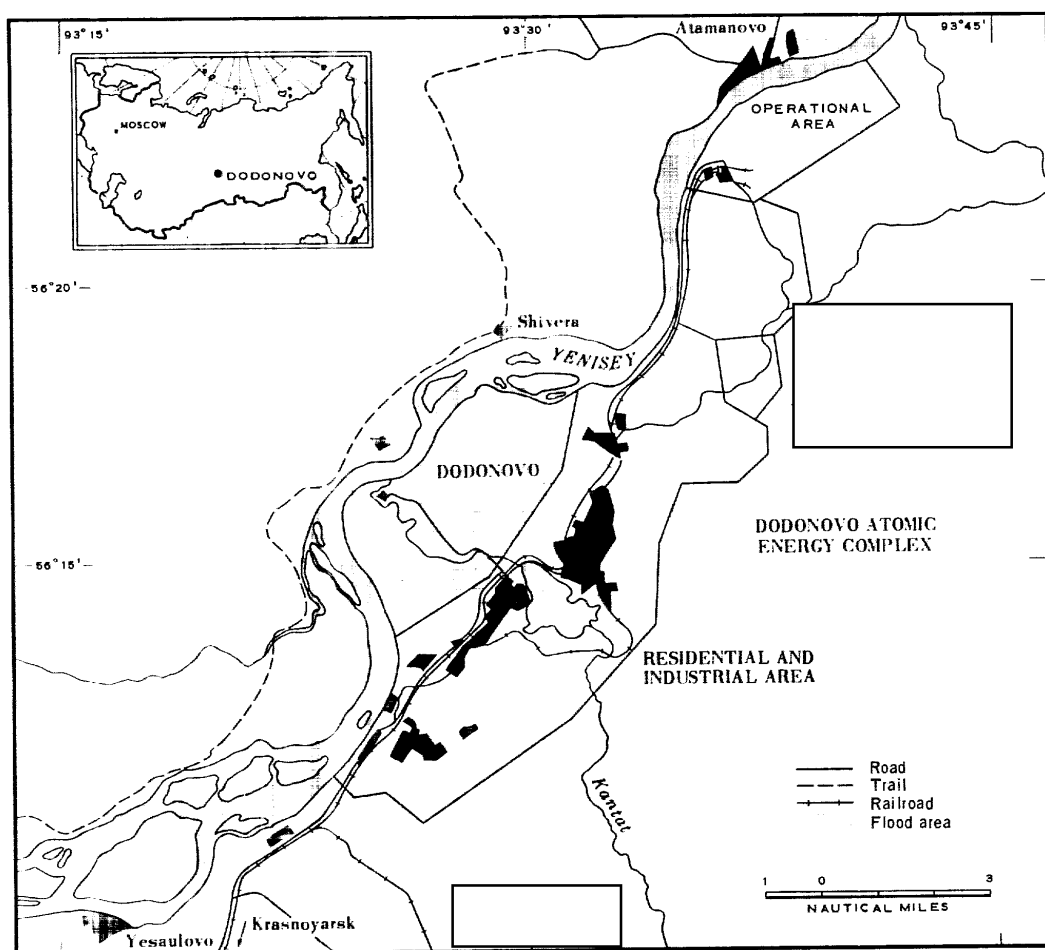
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7. The residential and industrial area is contained within a perimeter security fence constructed between [redacted] Entry into the area is controlled through security gates.

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South Facilities (Figure 4 and Table 1)

8. Facilities south of the reservoir include a concrete products fabrication plant (item 31), a sawmill and wood products plant (item 13),



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FIGURE 1. LOCATION MAP

river port facilities (item 15), vehicle and equipment maintenance and repair shops (item 29), a probable building components plant for the building of windows, doors, and prefabricated sections (item 28), along with supporting housing, road and rail transportation facilities, storage areas, and utilities such as water supply, sewage disposal, and electricity distribution.

North Facilities (Figure 5 and Table 2)

9. Facilities north of the reservoir include the main housing and administration area with the supporting functions of warehouses and storage (item 5), truck and bus facilities (item 22), recreation facilities (item 6), and rail passenger service (item 7); two central heating plants (items 25 and 26) that include steam/hot water pipes extending into the [redacted] of the complex; a construction support base (item 37) directly related to the [redacted] and operational areas of the complex and to the [redacted] storage area; and an unidentified industry (items 14 and 15) of undetermined association. This unidentified industry is composed of sections A and B and is described below.

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Unidentified Industry (Figures 6 and 7, Table 3)

10. The five major buildings in section A in the unidentified industry were apparently complete when the area was first observed in [redacted]. Additional buildings constructed since [redacted] have completed the facilities. A security wall encloses the section and has security gates at the points where the road and railroad enter the section.

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11. The specific function or type of production conducted cannot be determined. No clues were obtained from observation of materiel within the

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gantry-crane-served transshipment yard or from the observation of the railroad cars, principally flat and gondola, that are frequently seen within section A.

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12. No buildings or construction activity was observed in section B in [redacted] Six buildings (items 25, 27, 28, 32, 36, and 38) were completed by [redacted] Five buildings (items 20 to 23 and item 29) were added during 1963, and one building (item 34) and a new section on another building (item 27) were constructed during 1964. A large, high-bay building (item 26) and four buildings (items 30, 31, 35, and 37) were externally complete between [redacted] An excavation between the probable former administration building and the probable new administration buildings (items 29 and 30) observed in [redacted] indicated that construction related to these buildings was continuing.

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13. The section is served by both road and rail; the rail line entering through a security gate (item 18) branches into two spurs. One spur ends in the gantry-crane-served transshipment yard adjacent to the transshipment and storage building (item 27). The other rail spur extends along the security wall and ends near a probable storage building (item 27). Prior to 1966, this rail spur extended to two small buildings on the present site of an unidentified processing building (item 37). An additional rail spur which branches from the railroad that serves the transshipment yard in section A enters section B and extends into the probable fabrication building (item 28).

14. A perimeter wall with an internal fence and walkway encloses the section. There are security gates at the railroad entrances and at the road entrance at a probable administration and security building (item 31).

15. A specific function for section B could not be determined from the imagery. Buildings within the section resemble those used for general machine building, assembly, and storage. Passenger-type, round-roofed rail cars, approximately 21 meters (70 feet) in length, frequently observed adjacent to or within the section offered no clues to the product or function.

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FIGURE 2. DODONOVO ATOMIC ENERGY COMPLEX

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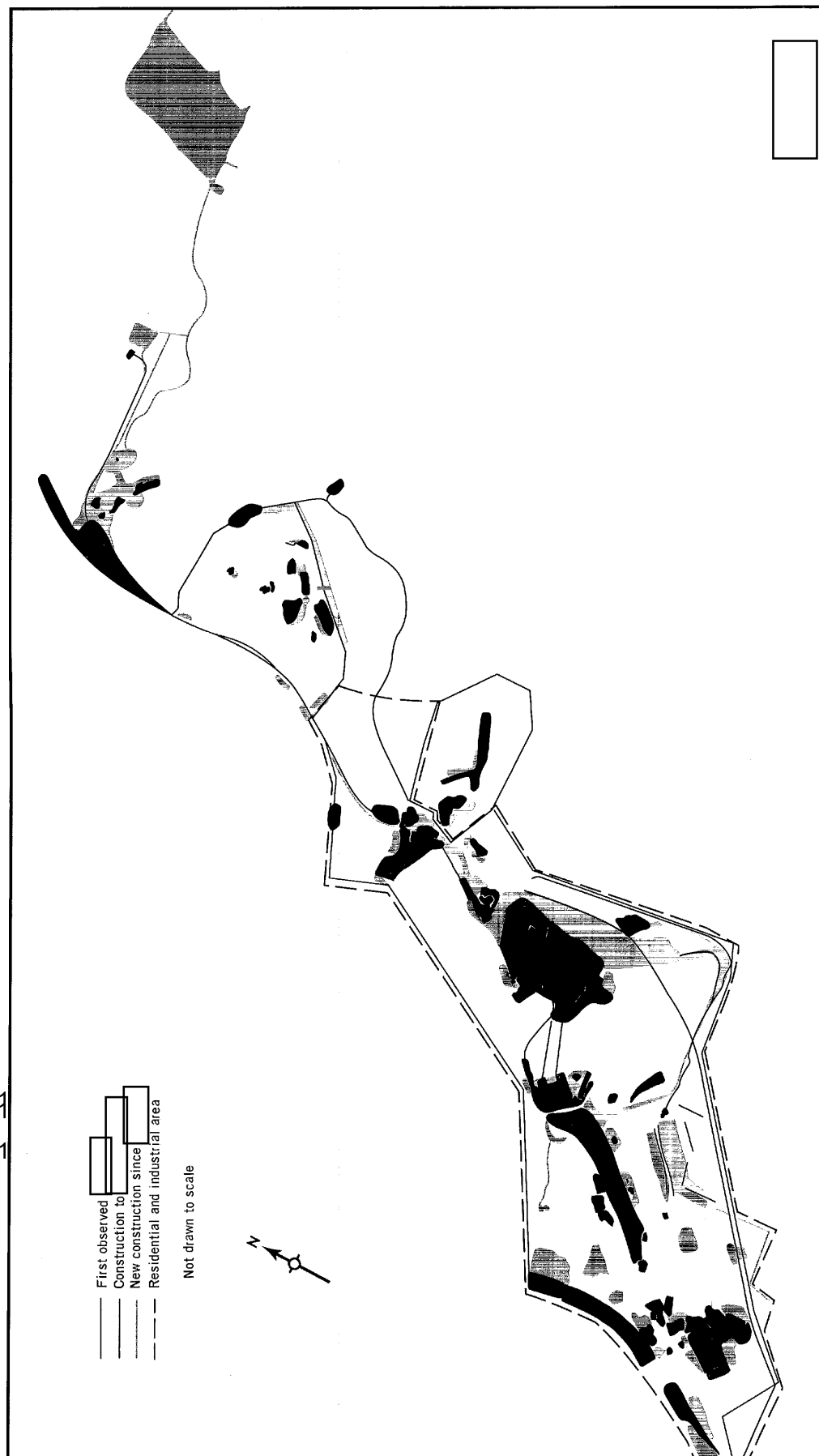


FIGURE 3. DODONOVO ATOMIC ENERGY COMPLEX, GENERAL CONSTRUCTION CHRONOLOGY, 1956-70

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Table 1. Residential and Industrial Area: Facilities South of Reservoir  
(Keyed to Figure 4)

Item	Description	Comments
1	Transshipment & storage	Probably associated with the sawmill and wood products plant (item 13)
2	Housing	
3	Garden plots	
4	Housing and garden plots	
5	Prob water supply	
6	Unid installation	Prob fabrication
7	Unid installation	
8	POL storage	Area secured with double wire fence and guard posts; road and rail served; underground and above-ground storage tanks
9	Coal storage	
10	Prob motor pool	
11	Transshipment area	Prob related to items 6 & 7
12	Fire station	
13	Sawmill & wood products plant	
14	Sewage disposal plant	
15	River port transshipment & storage	
16-20	Garden plots	
21	Substation B	Electrical service to items 28, 29 & 31
22	Substation I	Electric service to items 23 & 24
23	Water well field	Domestic water supply
24	Water treatment plant	Pipeline to main housing area
25	Water treatment plant	Original treatment plant; pipeline connections to additional plant (item 24)
26-27	Housing	
28	Prob fabrication of bldg components	
29	Vehicle & equipment maintenance & repair shops	
30	Vehicle POL service	
31	Concrete products fabrication plant	
32	Unid area	
33	Substation K	
34	Housing	
35	Fire station	
36	Transshipment and storage	
37	Unid area	Possible fabrication plant
38	Housing	
39	Transshipment & storage	
40	Transshipment & storage	
41	Unid area	Former housing area, new construction unidentified
42,43	Sanitary landfill	



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FIGURE 1. RESIDENTIAL AND INDUSTRIAL AREA FACILITIES SOUTH OF RESERVOIR

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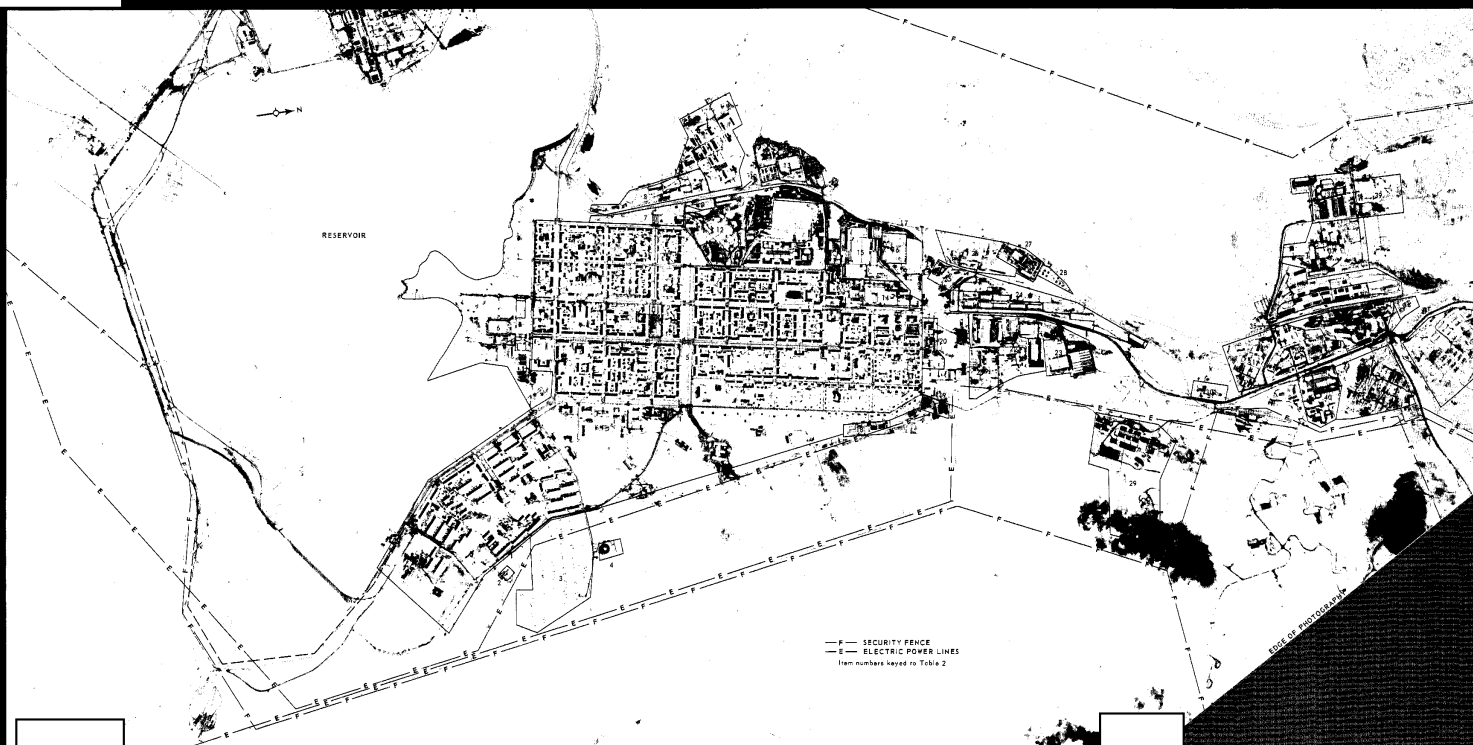


FIGURE 5. RESIDENTIAL AND INDUSTRIAL AREA: FACILITIES NORTH OF RESERVOIR

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Table 2. Residential and Industrial Area: Facilities North of Reservoir  
(Keyed to Figure 5)

Item	Description	Comments
1	Reservoir	Dam under construction in [redacted] completed prior to [redacted] road & railroad which formerly crossed area were rerouted across top of dam; roads, water lines, & electric power lines realigned around E end
2	Substation J	
3	Garden plots	
4	Cultural center	
5	Main housing & admin area	
6	Recreation facilities	
7	Rail passenger platforms & station	
8	Rail transshipment	Warehouses & freight yard
9	Prob railroad shop	Maintenance of locomotives
10	Railroad classification yard	
11	Housing	
12	Storage	Prob storage of maintenance & construction materials used in the housing areas
13	Sewage disposal plant	
14	Unid industry, section A	See Figure 7 & Table 3
15	Unid industry, section B	See Figure 7 & Table 3
16	Substation C	Main substation prob ucon in 1956; electric power from Krasnoyarsk with distribution including the underground area
17	Rail passenger platforms	
18	Greenhouses	
19	Storage	
20	Prob technical display	Outdoor display yard with various types & lengths of roof trusses; may include smaller prefabricated bldg construction sections
21	Housing	
22	Truck & bus facilities	
23	Greenhouses	
24	Transshipment & storage	Rail & road served; prob in support of the main housing area
25	Heating plant 1	May have been ucon in 1956; steamlines extend to south railroad adit of the [redacted]
26	Heating plant 2	Constructed in 1962-63, concurrent with the steamplant in the operation area; steamlines to the utility adits of the [redacted] area constructed [redacted]
27	Wood products plant	Mill & carpenter shop
28	Fuel oil storage	Fuel supply for steamplants
29	Military housing & training area	[redacted]
30	Prob storage	
31,32	Housing	
33	Concrete aggregate & batch plant	
34	Steamplant	Contains tanks for prob liquid petroleum storage
35	Rail classification yard	
36	Transshipment & storage	Prob associated with construction of the underground & operational areas [redacted]
37	Fabrication plant	Fabrication & assembly of special materials in construction support
38	Truck pool & maintenance shops	
39	Former housing area	
40	Vehicle storage & maintenance	
41	Housing	
42	Substation G	Electric service to local area with two 35-kv transmission lines to the underground area
43	Razed former labor camp	

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Table 3. Unidentified Industry  
(Keyed to Figure 7)

Item	Description	Dimensions			Remarks			
		L	W	H				
Section A (item 14, Figure 5)								
1	Admin bldg				Complete <input type="text"/> 25X1			
a					25X1			
b								
c								
d								
2	Prob engineering/research bldg				Complete <input type="text"/> 25X1			
a								
b								
c					25X1			
d								
e					Construction <input type="text"/>			
f								
g								
3	Unid bldg							
4	Prob security				Railroad entrance			
5	Prob storage				Complete <input type="text"/> 25X1			
6	Prob utility							
7	Prob storage				Complete <input type="text"/> 25X1			
8	Unid				Construction begun <input type="text"/> 25X1			
9	Unid				Construction begun <input type="text"/> 25X1			
10	Fabrication & assembly bldg				Complete <input type="text"/> 25X1			
a								
b								
c								
d								
e								
11	Security gate				Road entry			
12	Prob vehicle parking							
13	Unid bldg				Construction begun <input type="text"/> 25X1			
14	Storage							
15	Gantry crane							
16	Storage							
17	Storage							
Section B (item 15, Figure 7)								
18	Security gate				Railroad entry			
19	Storage							
20	Storage				Construction begun <input type="text"/> 25X1			
21	Storage				Construction begun <input type="text"/> 25X1			
						25X1		

Table 3. (continued)

Item	Description	Dimensions meters feet			Remarks	
		L	W	H		
22	Storage				Construction begun	25X1
23	Storage				Construction begun	25X1
24	Gantry crane					25X1
25	Transshipment & storage bldg				Complete	25X1
a						
b						
26	Prob assembly				Construction begun	
a					externally	25X1
b					complete	25X1
c						
d						
e					Roof ventilator	
f					Roof ventilator	
27	Prob storage				Complete	25X1
a					rail-served	
b					Constructed in 2	
					sections.	25X1
28	Prob fabrication bldg				Complete	25X1
a					rail-served	25X1
b					Monitor roof	
c					sections	
d						
29	Prob former admin bldg				Construction begun	
30	Prob new admin bldg					25X1
a					Construction begun	
b						25X1
c						
31	Prob admin & security bldg				Construction begun	
32	Prob engineering & research bldg				Complete	25X1
33	Induced draft cooling tower				Construction begun	
34	Unid bldg				complete	25X1
a					Construction begun	25X1
b						25X1
c						
35	Prob storage				Construction	25X1
36	Prob fabrication				Complete	25X1
37	Unidentified processing bldg				Construction begun	
a					replaced	25X1
b					2 small bldgs	
c	Silo-type towers (2)				Probably roof height of main bldg	
38	Prob storage				Complete	25X1
a					rail served	
b						

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# REFERENCES



MAPS OR CHARTS

USATC, Series 200, Sheet 0159-23, scale 1:200,000

## DOCUMENT

1. NPIC.  Dodonovo Atomic Energy Complex, USSR, Jul 69 (TOP SECRET 

## REQUIREMENT

COMIREX 004  
NPIC/IEG/SD/NIB Project 221416

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